AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-16 (Canceled)

17. (Currently amended) A multiplexing apparatus comprising:

a control information selecting section ~~for selecting~~ which selects packets containing control information from media streams of different types, the media streams having multiplexed control information packets and media information packets, wherein ~~each of~~at least one of the ~~selected~~ media information packets ~~streams~~ has clock information for generating a clock signal when ~~that is generated by appending a media time base that indicates a time at which encoding of the media information is to be started, and a decoding time that indicates a time at which~~ decoding ~~of~~ the media information~~; is to be started based on the media time base, and~~

a program control information editing section which edits the control information contained in the selected control information packets and generates modified control information packets; ~~for receiving a number of the selected media streams of different types to be multiplexed to obtain one program,~~

a clock information reallocating section for reallocating ~~the decoding time of the one program~~ the clock information within a media information packet with modified clock information, where the modified clock information is set equal to the clock information plus a computed delay time; and

a multiplexing section which multiplexes the modified control information packets and selected media information packets from the media streams to produce a multiplexed media stream;~~,~~

wherein the apparatus preferentially multiplexes media information packets containing clock information~~, when multiplexing a number of selected media streams of different types to obtain one program, the media time bases of all the media information are set equal to a media time base of a desired media information, and the time difference between media time bases before and after this setting is added to the decoding time to be reallocated~~.

18. (Currently amended) The multiplexing apparatus according to claim 17, wherein the selected media information packets are specific media information packets corresponding to a required program~~media time bases of a number of media information are set to the same value to be reallocated~~.

19. (Currently amended) A remultiplexing apparatus comprising:

a control information selecting section for selecting packets containing control information from media streams of different types, the media streams having multiplexed control information packets and media information packets, wherein at least one ~~each~~ of the ~~selected~~ media information packets ~~streams~~ has clock information that is generated by appending a media time base that is utilizes to regenerate a clock signal when~~indicates a time at which encoding of the media information is to be started, and~~ decoding ~~time that indicates a time at which decoding of~~ the media information; ~~is to be started based on the media time base,~~

a program control information editing section ~~for receiving a number of the selected media streams of different types to be multiplexed to obtain one program,~~which edits the control information contained in the selected control information packets and generates modified control information packets;

a program organizing section which selects a plurality of media information packets corresponding to required programs;

a clock information reallocating section for reallocating ~~the decoding time of the one program,~~ the clock information of selected media information packets;

a remultiplexing section ~~for obtaining a number of required media information from a number of programs and remultiplexes as a new program,~~ which multiplexes the modified control information packets and selected media information packets from the media streams to produce a remultiplexed media stream;

wherein the apparatus preferentially multiplexes selected media information packets containing clock information,~~when multiplexing a number of selected media streams of different types to obtain one program, the media time bases of all the media information are set equal to a~~

~~media time base of a desired media information, and the time difference between media time bases before and after this setting is added to the decoding time to be reallocated~~.

20. (Currently amended) The remultiplexing apparatus according to claim 19, wherein said program organizing section selects the required programs according to viewability restricting information defined as the program type information~~a program is restructured with media streams of a number of desired programs, and when restructuring the program, media time bases of all the media streams included in the one program are set to the same value to be reallocated~~.

21. (New) A multiplexing method comprising the steps of:

selecting packets containing control information from media streams of different types, the media streams having multiplexed control information packets and media information packets, wherein at least one of the media information packets has clock information for generating a clock signal when decoding the media information;

editing the control information contained in the selected control information packets and generating modified control information packets;

reallocating the clock information within a media information packet with modified clock information, wherein the modified clock information is set equal to the clock information plus a computed delay time; and

multiplexing the modified control information packets and selected media information packets from the media streams to produce a multiplexed media stream, wherein media information packets containing clock information are preferentially multiplexed.

22. (New) The multiplexing method according to claim 21, wherein the selected media information packets are specific media information packets corresponding to a required program.

23. (New) A remultiplexing method comprising the steps of:

selecting packets containing control information from media streams of different types, the media streams having multiplexed control information packets and media information packets, wherein at least one of the media information packets has clock information that is generated by appending a media time base that is utilized to regenerate a clock signal when decoding the media information;

editing the control information contained in the selected control information packets and generating modified control information packets;

selecting a plurality of media information packets corresponding to required programs;

reallocating the clock information of selected media information packets;

multiplexing the modified control information packets and selected media information packets from the media streams to produce a remultiplexed media stream, wherein selected media information packets containing clock information are preferentially multiplexed.

24. (New) The remultiplexing method according to claim 23, wherein the selected programs are selected according to viewability restricting information defined as the program type information.